

CLAIMS:

1. A digital television system comprising:
 - an input (10) for receiving a plurality of digital television signals;
 - a first tuner (12) coupled to said input (10) for tuning to a selected one of said digital television signals capable of rendering a high quality video image;
 - a first decoder (14) coupled to said first tuner (12) for decoding said selected television signal;
 - a video signal processor (18) for processing said decoded television signal; and
 - a display (22) for displaying said decoded television signal,characterized in that said digital television system further comprises:
 - a second tuner (36) coupled to said input (10) for tuning to a separate television signal carrying mosaic views of all channels available in said digital television system, each of said mosaic views having a quality lower than that of said digital television signals;
 - a second decoder (38) coupled to said second tuner (36) for decoding said separate television signal carrying said mosaic views;
 - a selector (40) coupled to an output of said second decoder (38) for selecting one of said decoded mosaic views;
 - a video switch (16) for alternatively coupling outputs from said first decoder (14) and said selector (40) to said video signal processor (18); and
 - a controller (30) coupled to said first tuner (12), said selector (40) and said video switch (16), said controller (30), in response to a channel change command, causing said first tuner (12) and said selector (40) to, in synchronism, switch to the same channel, and said video switch (16) to temporarily switch to an output of said selector (40) until said first decoder (14) is able to provide a viewable image.
2. The digital television system as claimed in claim 1, wherein the digital television system further comprises:
 - an audio signal processing circuit (24) for processing audio signals in a television signal;

an audio switch (42) having a first input coupled to an output of said first decoder (14), a second input coupled to an output of said selector (40), and an output coupled to an input of said audio signal processing circuit (24); and

at least one loudspeaker (28) coupled to an output of said audio signal processing circuit (24) for providing audio sounds corresponding to said audio signals,

and wherein said controller (30) causes said audio switch (42) to switch to the output from said selector (40) in synchronism with the switching of the video switch (16) to the output from the selector (40).

3. The digital television system as claimed in claim 1, wherein the separate television signal containing the mosaic view is a high definition television signal.